
Connectors for electronic equipment - Tests and measurements - Part 2-6:
Electrical continuity and contact resistance tests - Test 2f: Housing (shell) electrical
continuity (IEC 60512-2-6:2002)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 60512-2-6:2003](https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003)
[https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-
aa2812eda8ab/sist-en-60512-2-6-2003](https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60512-2-6:2003

<https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003>

English version

**Connectors for electronic equipment -
Tests and measurements
Part 2-6: Electrical continuity and contact resistance tests -
Test 2f: Housing (shell) electrical continuity
(IEC 60512-2-6:2002)**

Connecteurs pour équipements
électroniques -
Essais et mesures
Partie 2-6: Essais de continuité électrique
et de résistance de contact -
Essai 2f: Continuité électrique
du boîtier (coquille)
(CEI 60512-2-6:2002)

Steckverbinder für elektronische
Einrichtungen -
Mess- und Prüfverfahren
Teil 2-6: Prüfungen des elektrischen
Durchgangs und Durchgangswiderstands -
Prüfung 2f: Durchgangswiderstand
Gehäuse (Schirm)
(IEC 60512-2-6:2002)

[SIST EN 60512-2-6:2003](https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003)

<https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003>

This European Standard was approved by CENELEC on 2002-04-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 48B/1132/FDIS, future edition 1 of IEC 60512-2-6, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60512-2-6 on 2002-04-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-04-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annex ZA is normative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60512-2-6:2002 was approved by CENELEC as a European Standard without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 60512-2-6:2003](https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003)

<https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003>

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60512-2-2	- ¹⁾	Connectors for electronic equipment - Tests and measurements Part 2-2: Electrical continuity and contact resistance tests - Test 2b: Contact resistance - Specified test current method	-	-
IEC 60512-2-3	- ²⁾	Part 2-3: Electrical continuity and contact resistance tests - Test 2c: Contact resistance variation	EN 60512-2-3	2002 ³⁾

iTeh STANDARD PREVIEW
(standards.iteh.ai)
[SIST EN 60512-2-6:2003](https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003)
<https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003>

¹⁾ In preparation.

²⁾ Undated reference.

³⁾ Valid edition at date of issue.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60512-2-6:2003

<https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-aa2812eda8ab/sist-en-60512-2-6-2003>

NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60512-2-6

Première édition
First edition
2002-02

**Connecteurs pour équipements électroniques –
Essais et mesures –**

**Partie 2-6:
Essais de continuité électrique et
de résistance de contact –
Essai 2f: Continuité électrique
du boîtier (coquille)**

<https://standards.iteh.ai/catalog/standards/sist/0ad87387-8f7d-43c4-a264-a264-2c83a9/sist-en-60512-2-6-2003>
**Connectors for electronic equipment –
Tests and measurements –**

**Part 2-6:
Electrical continuity and contact
resistance tests –
Test 2f: Housing (shell) electrical
continuity**

© IEC 2002 Droits de reproduction réservés — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission, 3, rue de Varembe, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

D

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRONIC EQUIPMENT –
TESTS AND MEASUREMENTS –**
**Part 2-6: Electrical continuity and contact resistance tests –
Test 2f: Housing (shell) electrical continuity**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60512-2-6 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This standard cancels and replaces test 2f of IEC 60512-2, issued in 1985, and constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
48B/1132/FDIS	48B/1183/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

CONNECTORS FOR ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

Part 2-6: Electrical continuity and contact resistance tests – Test 2f: Housing (shell) electrical continuity

1 General

1.1 Scope and object

This part of IEC 60512, when required by the detail specification, is used for testing electromechanical components within the scope of IEC technical committee 48. This test may also be used for similar devices when specified in a detail specification.

The object of this test is to define a standard test method for measuring the resistance between component housings (shells) which are intended to provide electrical continuity when mated.

This test is not intended to verify shielding against magnetic or r.f. interference.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60512. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60512 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60512-2-2, *Connectors for electronic equipment – Tests and measurements – Part 2-2: Electrical continuity and contact resistance tests – Test 2b: Contact resistance – Specified test current method*

IEC 60512-2-3, *Connectors for electronic equipment – Tests and measurements – Part 2-3: Electrical continuity and contact resistance tests – Test 2c: Contact resistance variation*

2 General requirements

Components having metallic or other conductive material or coating housings (shells) intended to provide electrical continuity when mated shall be tested as follows:

- Measurements shall be made on mated sets of components.
- Free components shall be fitted with short lengths of wire or cable, as specified in the detail specification.